HS-422SRT Accelerometer

4-20mA acceleration and PT100 temperature output via M12 Connector

Key Features

- Side entry for easy access
- For use with PLC/DCS systems
- PT100 temperature output



Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical

Technical Performance

Mounted Base Resonance

Acceleration Ranges

Frequency Response

Temperature Output

Transverse Sensitivity

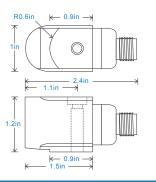


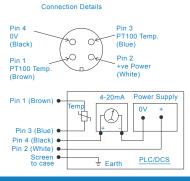
see: 'How To Order' table ±10% Nominal 80Hz at 72°F

see: 'How To Order' table

PT100 (100 Ohms)

600cpm (10Hz) to 300kcpm (5kHz) ± 5%





Mechanical

10kHz min

- ISO10816

Base isolated

Less than 5%

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	5.9ft. lbs
Mounting Bolt Provided	see: 'How To Order' table x 1.2in long
Weight	6.5 oz. (nominal)
Sheilded Cable Assembly	HS-AC010 - straight
	HS-AC011 - right angle
Mounting Threads	see: 'How To Order' table

Electrical

Isolation

Range

 Current Output
 4-20mA DC proportional to acceleration

 Supply Voltage
 15-30 Volts DC (for 4-20mA)

 Settling Time
 2 seconds

 Output Impedance
 Loop Resistance 600 Ohms max. at 24 Volts

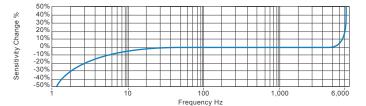
 Case Isolation
 >10⁸ Ohms at 500 Volts

Environmental

Operating Temperature Range Sealing Maximum Shock EMC

-13 to	194°F
	IP67
	5000g
EN61326-1	:2013

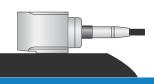
Typical Frequency Response



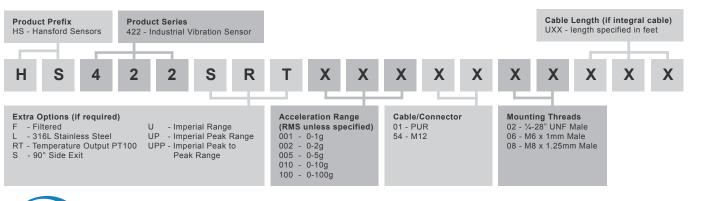
Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)



How To Order





www.hansfordsensors.com sales@hansfordsensors.com



We reserve the right to alter the specification of this product without prior notice TS495U.2